



X4S300W

Solar Power Supply System Double-Sided Solar Panel



Double-Sided
Solar Panel



Efficient
Controller



LiFePO4 Li-ion
Battery



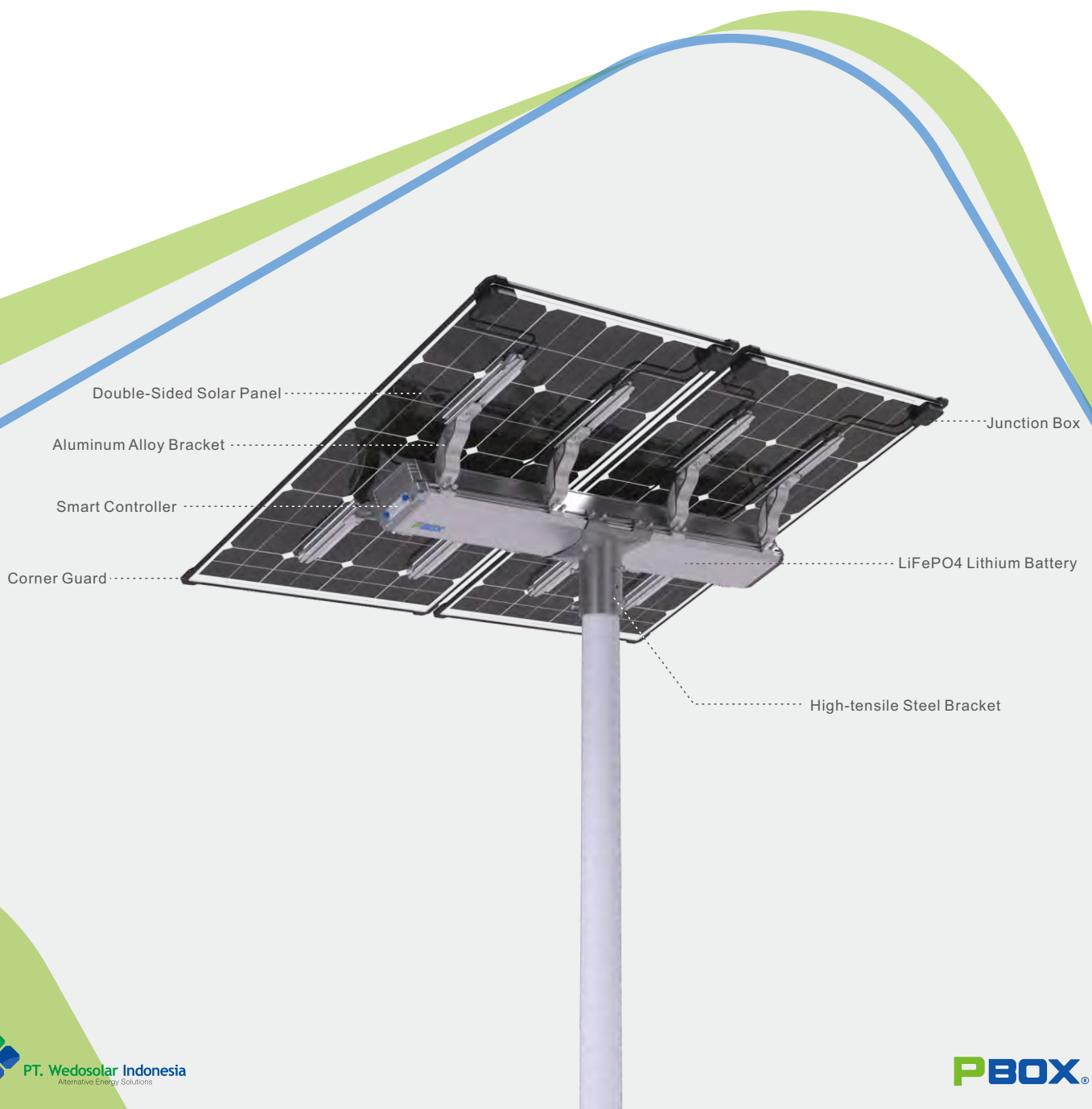
Robust
Structure

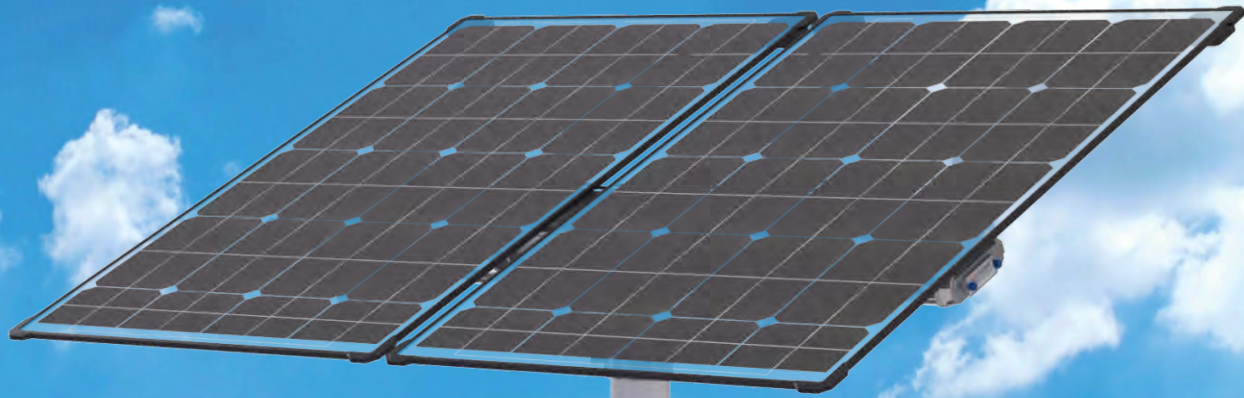


IP66
Waterproof

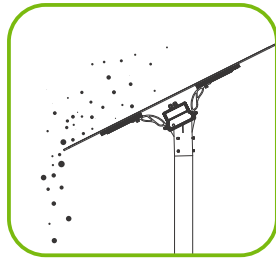
X4S Series is the first frameless design solar products launched by PBOX, which is a solar system integrating high conversion double-sided solar panel, intelligent battery management system and high-efficiency controller.

The frameless solar panel can reduce the build-up of dirt to a maximum extent. Originality design of the high tensile bracket ensures the user reliability.





Traditional Frame PV



X4 Frameless PV



Frameless Design

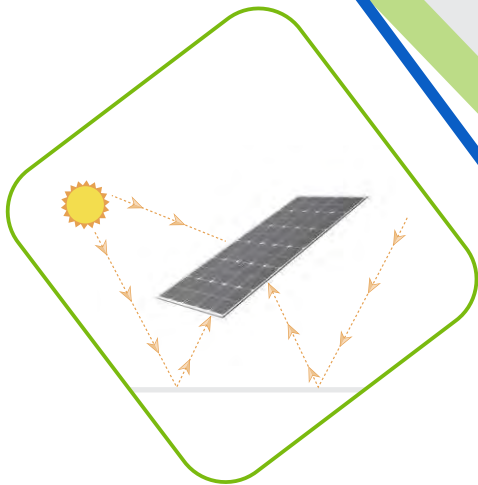
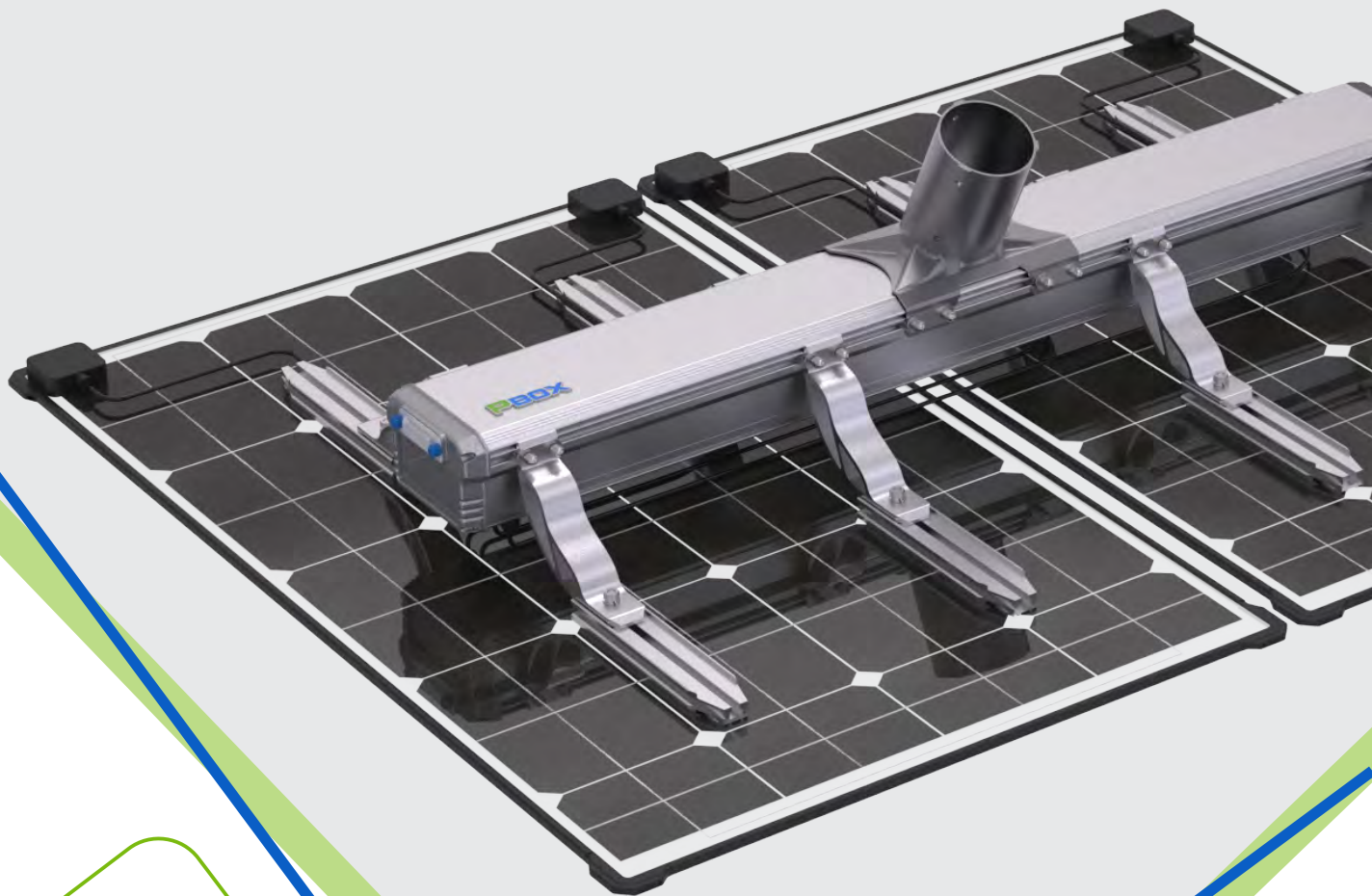


Compared with traditional solar panel with frame, X4S frameless solar panel is much easier to maintain and clean, and can reduce the built-up of dirt to a maximum extent.



Innovative corner protector effectively reduces collision damage and improves safety during transportation and installation.

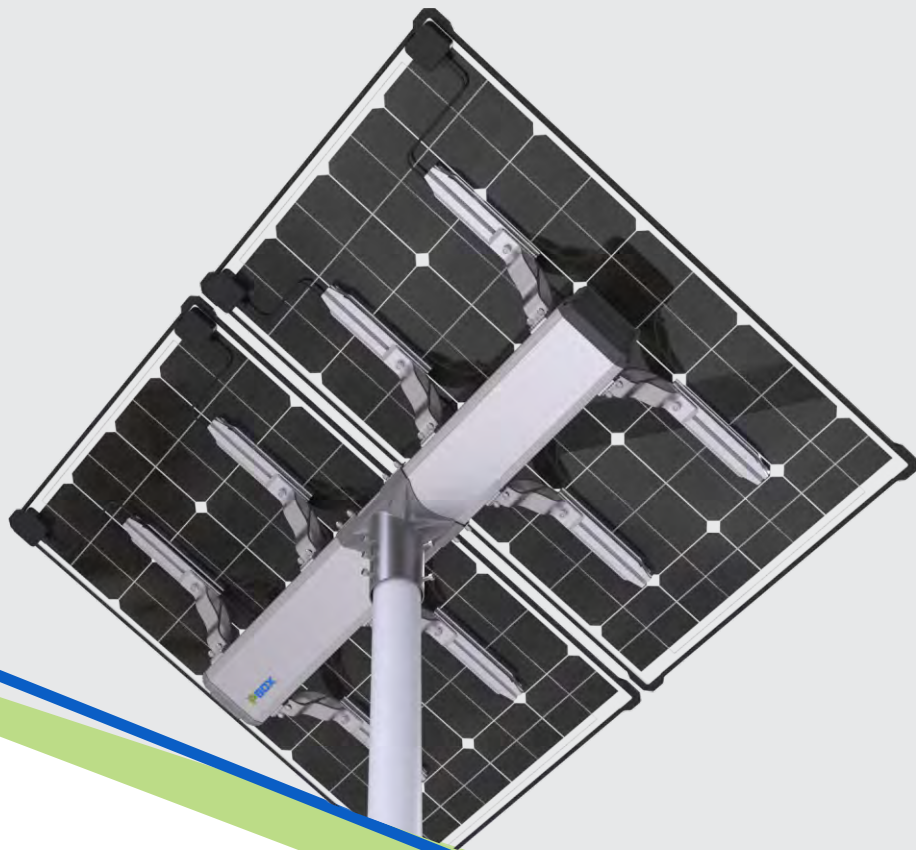




Efficient Double-Sided Solar Panel

X4S uses the specially designed double-sided PV module and tempered glass on the backboard of the panel, which eliminates the risk of degradation of the back panel after long-term use.

- Black dual glass solar module is extremely durable.
- Solar Panel Power: Range from 85W to 260W, Conversion efficiency up to 21%.



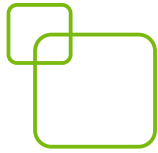
Solid and Reliable Bracket Structure

The bracket adopts high strength 6063 aluminium alloy, corrosion-resistant anodized surface, and special structure design. It greatly improves reliability and security.



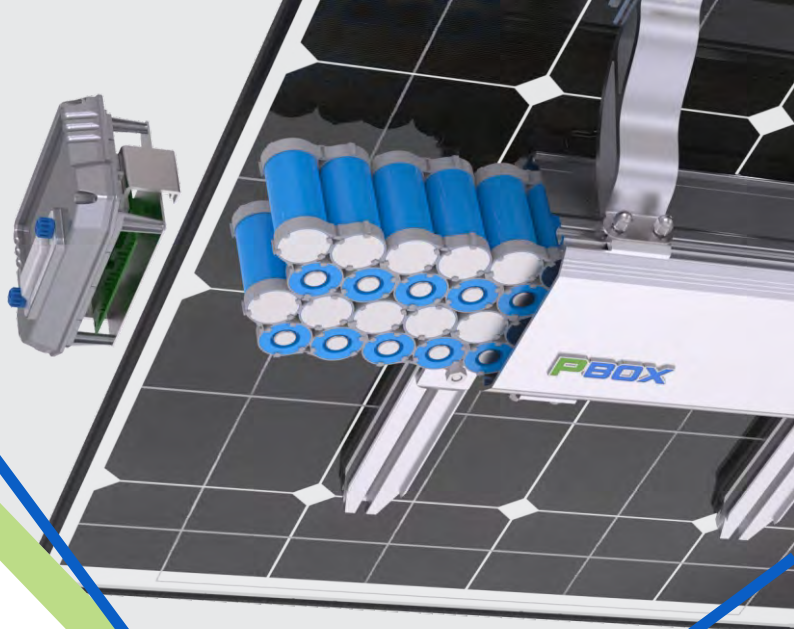
Battery and Failure Indication

The green light indicates the battery capacity when the unit operates normally, the red light will trigger an alarm and blink.



LiFePO4 Lithium Battery

- 01 Adopt green and environmentally-friendly lithium iron phosphate battery, the cycle charge and discharge over 2000 times.
- 02 5cm distance from the battery box to the solar panel, which will assist in heat dissipation performance.



High performance charging controller, provides full protection for the system

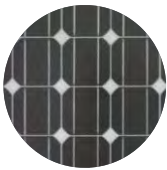
The independent researched and developed charging controller generates more power, especially during cloudy & rainy days. It simultaneously has protection for over current, over voltage and over heating. Through the USB interface on the controller, it is able to easily modify its operating mode.



SOLAR POWER SUPPLY SYSTEM

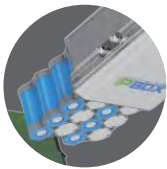


24V
DC output



High-efficient Solar Panel

Monocrystalline/Double-sided



Long-lifespan LiFePO4 Lithium-ion Battery

Top grade LiFePO4 Lithium-ion Battery, supported with patented dual battery management technology, makes the battery group a life expectancy of 6-8 years.



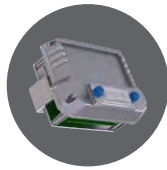
Reinforced Bracket

Reinforced bracket with anti-theft design, resistant to violent typhoons up to force 16.



Intelligent Control Unit

Self-developed charging and discharging control unit, makes the solar panel a better solar power absorbing ability in rainy days.



IP66 Waterproof

Waterproof and anti-dust design certified with IP66 requirements, to well stand harsh weather conditions.

Model No.	X4S300W
PV Module Parameters	
Power of PV Module (W)	150×2
Lithium Battery Capacity (Wh)	1640
Dimension of Product (mm)	1468×1120×322
Net Weight of Product (kg)	46
Light Photosensitivity (lx)	30
Packing Parameters	
Dimensions of Product (mm)	1520×225×1230
Gross Weight of Product (kg)	50
Qty Per Carton (pcs)	1
Environment Requirement	
Charge Temperature	0°C~51°C
Discharge Temperature	-20°C~51°C
Storage Temperature (<3 months)	-20°C~45°C
Storage Temperature (3~12 months)	-20°C~25°C
Mounting Recommendation	
EPA (Effective Projected Area) (ft ²)	8.97
APA (Actual Projected Area) (ft ²)	7.47
Wind Load Rate (mph)	130
Top of Pole or Tenon OD (mm)	85~90

